

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6810112"	US-PGPUB; USPAT	OR	ON	2006/04/19 07:39
L2	826	(379/27.01,29.01,22.01,1.04).ccls.	US-PGPUB; USPAT	OR	ON	2006/04/19 07:41
L3	1197	379/142.\$ccls.	US-PGPUB; USPAT	OR	ON	2006/04/19 07:40
L4	1	2 and 3	US-PGPUB; USPAT	OR	ON	2006/04/19 07:40
S1	4	((("5343461" "4446340" "5218616" "5483573" "5751794" "5889785" "6151691" "6215854" "6215855" "6215854" "6215855" "4258236" "4403119" "4864598" "4912755" "4937851" "4998240" "5003586" "5189663" "5291553" "5345496" "5353327" "5367569" "5398234" "5426688" "5438606" "5442697" "5784558" "5828978" "5859895" "5862200" "5937033" "6002502" "6058161" "6061428" "6061428" "6097515" "6144722" "6192109" "6301337" "6366644" "6373923" "6453432" "6477238" "6661850" "4438298" "4446341" "4459436" "4467147" "4501003").pn. ("4516070" "4517513" "4525795" "4525789" "4536706" "4539652" "4554642" "4562436" "4590583" "4628158" "5293376" "4756017" "4796289" "5715241" "6046986" "4500158" "4562311" "4616897" "5818904" "5937034" "3867588" "4368363" "4369341" "4388501" "4588862" "4797720" "4807277" "4869682" "4920555" "5189694" "5202916" "5204896" "5208803" "5224149" "5233501" "5235634" "5243644" "5309499" "5437023" "5452343" "5509054" "5555285" "5699402" "5800218" "5864602" "5870451" "5926460" "5978449" "5982851" "6002671").pn.) and (message with (off adj hook))	US-PGPUB; USPAT	OR	OFF	2005/08/10 13:00
S2	6	"5509054".URPN.	USPAT	OR	OFF	2004/02/26 18:08
S3	6	("4314102"   "4578540"   "5509054"   "5699276"   "6067029"   "6263072").PN.	USPAT	OR	OFF	2004/02/26 18:10
S4	58	"5235634".URPN.	USPAT	OR	OFF	2004/02/26 18:12

## EAST Search History

S5	24	"4937851".URPN.	USPAT	OR	OFF	2004/02/26 18:20
S6	0	((("5343461" "4446340" "5218616" "5483573" "5751794" "5889785" "6151691" "6215854" "6215855" "6215854" "6215855" "4258236" "4403119" "4864598" "4912755" "4937851" "4998240" "5003586" "5189663" "5291553" "5345496" "5353327" "5367569" "5398234" "5426688" "5438606" "5442697" "5784558" "5828978" "5859895" "5862200" "5937033" "6002502" "6058161" "6061428" "6061428" "6097515" "6144722" "6192109" "6301337" "6366644" "6373923" "6453432" "6477238" "6661850" "4438298" "4446341" "4459436" "4467147" "4501003").pn. ("4516070" "4517513" "4525795" "4525789" "4536706" "4539652" "4554642" "4562436" "4590583" "4628158" "5293376" "4756017" "4796289" "5715241" "6046986" "4500158" "4562311" "4616897" "5818904" "5937034" "3867588" "4368363" "4369341" "4388501" "4588862" "4797720" "4807277" "4869682" "4920555" "5189694" "5202916" "5204896" "5208803" "5224149" "5233501" "5235634" "5243644" "5309499" "5437023" "5452343" "5509054" "5555285" "5699402" "5800218" "5864602" "5870451" "5926460" "5978449" "5982851" "6002671").pn.) and (gr-30)	US-PGPUB; USPAT	OR	OFF	2004/02/26 18:19

## EAST Search History

S7	0	(("5343461" "4446340" "5218616" "5483573" "5751794" "5889785" "6151691" "6215854" "6215855" "6215854" "6215855" "4258236" "4403119" "4864598" "4912755" "4937851" "4998240" "5003586" "5189663" "5291553" "5345496" "5353327" "5367569" "5398234" "5426688" "5438606" "5442697" "5784558" "5828978" "5859895" "5862200" "5937033" "6002502" "6058161" "6061428" "6061428" "6097515" "6144722" "6192109" "6301337" "6366644" "6373923" "6453432" "6477238" "6661850" "4438298" "4446341" "4459436" "4467147" "4501003").pn. ("4516070" "4517513" "4525795" "4525789" "4536706" "4539652" "4554642" "4562436" "4590583" "4628158" "5293376" "4756017" "4796289" "5715241" "6046986" "4500158" "4562311" "4616897" "5818904" "5937034" "3867588" "4368363" "4369341" "4388501" "4588862" "4797720" "4807277" "4869682" "4920555" "5189694" "5202916" "5204896" "5208803" "5224149" "5233501" "5235634" "5243644" "5309499" "5437023" "5452343" "5509054" "5555285" "5699402" "5800218" "5864602" "5870451" "5926460" "5978449" "5982851" "6002671").pn.) and 389/27.01.ccls.	US-PGPUB; USPAT	OR	OFF	2004/02/26 18:20
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## EAST Search History

S8	6	((("5343461" "4446340" "5218616" "5483573" "5751794" "5889785" "6151691" "6215854" "6215855" "6215854" "6215855" "4258236" "4403119" "4864598" "4912755" "4937851" "4998240" "5003586" "5189663" "5291553" "5345496" "5353327" "5367569" "5398234" "5426688" "5438606" "5442697" "5784558" "5828978" "5859895" "5862200" "5937033" "6002502" "6058161" "6061428" "6061428" "6097515" "6144722" "6192109" "6301337" "6366644" "6373923" "6453432" "6477238" "6661850" "4438298" "4446341" "4459436" "4467147" "4501003").pn. ("4516070" "4517513" "4525795" "4525789" "4536706" "4539652" "4554642" "4562436" "4590583" "4628158" "5293376" "4756017" "4796289" "5715241" "6046986" "4500158" "4562311" "4616897" "5818904" "5937034" "3867588" "4368363" "4369341" "4388501" "4588862" "4797720" "4807277" "4869682" "4920555" "5189694" "5202916" "5204896" "5208803" "5224149" "5233501" "5235634" "5243644" "5309499" "5437023" "5452343" "5509054" "5555285" "5699402" "5800218" "5864602" "5870451" "5926460" "5978449" "5982851" "6002671").pn.) and 379/27.01.ccls.	US-PGPUB; USPAT	OR	OFF	2004/02/26 18:20
S9	22	LUNEAU-DAVID-J or LUNEAU-ET-AL	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:52
S10	6	("5778174"   "5805803"   "5848161"   "5915087"   "6081900"   "6275941").PN.	USPAT	OR	OFF	2004/02/27 08:20
S11	10	"6038443".URPN.	USPAT	OR	OFF	2004/02/27 08:25
S12	8	("5265145"   "5452346"   "5490205"   "5699417"   "5799060"   "5907605"   "5974115"   "6038443").PN.	USPAT	OR	OFF	2004/02/27 08:26
S13	8	"5907605".URPN.	USPAT	OR	OFF	2004/02/27 08:29
S14	8	("5265145"   "5452346"   "5490205"   "5699417"   "5799060"   "5907605"   "5974115"   "6038443").PN.	USPAT	OR	OFF	2004/02/27 08:36

## EAST Search History

S15	7	("4899358"   "4924496"   "5452346"   "5467385"   "5481594"   "5511111"   "5546448").PN.	USPAT	OR	OFF	2004/02/27 08:36
S16	59	"5546448".URPN.	USPAT	OR	OFF	2004/02/27 08:37
S17	9	("4670898"   "4764949"   "4777645"   "5073919"   "5406269"   "5490199"   "5502756"   "5615225"   "5799060").PN.	USPAT	OR	OFF	2004/02/27 08:44
S18	7	"5699417".URPN.	USPAT	OR	OFF	2004/02/27 08:46
S19	4	CHADWICK-RAY-F	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:52
S20	1	REMILLARD-JASON	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:53
S21	7	KING-THOMAS	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:54
S22	6	classco	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:55
S23	1	bank adj4 hampshire	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:55
S24	3	glitzenstein	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:56
S25	12264	silverman	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:56
S26	16	robert adj2 silverman	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:57
S27	0	william adj3 richie	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:57
S28	0	richie-william	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:57
S29	0	robert-silverman	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:57
S30	7	silverman-robert	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:58
S31	17894	fish adj2 richardson	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:58
S32	111	(fish adj2 richardson) and "379"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/02/27 08:58
S33	40	((fish adj2 richardson) and "379"/\$.ccls.) and test\$3	US-PGPUB; USPAT	OR	OFF	2004/02/27 09:02
S34	6658	(fish adj2 richardson) and test\$3	US-PGPUB; USPAT	OR	OFF	2004/02/27 09:02

## EAST Search History

S35	115	(fish adj2 richardson) and (loop with test\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 09:03
S36	2	((fish adj2 richardson) and (loop with test\$3)) and fsk	US-PGPUB; USPAT	OR	OFF	2004/02/27 09:03
S37	40	(fish adj2 richardson) and (fsk)	US-PGPUB; USPAT	OR	OFF	2004/02/27 09:03
S38	2	"6014426".URPN.	USPAT	OR	OFF	2004/02/27 09:05
S39	4	("5054055"   "5206900"   "5546448"   "5684858").PN.	USPAT	OR	OFF	2004/02/27 09:06
S40	15	"4918623".URPN.	USPAT	OR	OFF	2004/02/27 09:09
S41	364	379/27.01.ccls.	US-PGPUB; USPAT	OR	OFF	2004/02/27 10:17
S42	75	379/27.06.ccls.	US-PGPUB; USPAT	OR	OFF	2004/02/27 10:18
S43	430	379/27.01.ccls. or 379/27.06.ccls.	US-PGPUB; USPAT	OR	OFF	2004/02/27 10:18
S44	430	379/27.01,27.06.ccls.	US-PGPUB; USPAT	OR	OFF	2004/02/27 10:19
S45	946	379/27.01,27.06.28,29.01,29.11,22.01,22.02,27.03,1.04,32.04,29.03.ccls.	US-PGPUB; USPAT	OR	OFF	2004/02/27 10:19
S46	26	379/27.01,27.06.28,29.01,29.11,22.01,22.02,27.03,1.04,32.04,29.03.ccls. and fsk	US-PGPUB; USPAT	OR	OFF	2004/02/27 11:07
S47	6	"6215854".URPN.	USPAT	OR	OFF	2004/02/27 10:28
S48	13	("4837811"   "5404388"   "5473666"   "5619489"   "5657384"   "5661795"   "5838786"   "5881129"   "5903624"   "5903625"   "5937034"   "5966427"   "6041295").PN.	USPAT	OR	OFF	2004/02/27 10:30
S49	2	"6014426".URPN.	USPAT	OR	OFF	2004/02/27 10:48
S50	4	("5054055"   "5206900"   "5546448"   "5684858").PN.	USPAT	OR	OFF	2004/02/27 10:49
S51	3	"5802143".URPN.	USPAT	OR	OFF	2004/02/27 10:53
S52	2	"6201853".URPN.	USPAT	OR	OFF	2004/02/27 10:56
S53	0	"6535579".URPN.	USPAT	OR	OFF	2004/02/27 10:58
S54	13	("3814870"   "4647725"   "4796289"   "5291553"   "5297199"   "5600716"   "5625686"   "5802170"   "5888085"   "6039578"   "6201853"   "6215856"   "6252941").PN.	USPAT	OR	OFF	2004/02/27 10:58

## EAST Search History

S55	2	"6201853".pn. or "6014426".pn.	US-PGPUB; USPAT	OR	OFF	2004/02/27 11:09
S56	97	("5343461" "4446340" "5218616" "5483573" "5751794" "5889785" "6151691" "6215854" "6215855" "6215854" "6215855" "4258236" "4403119" "4864598" "4912755" "4937851" "4998240" "5003586" "5189663" "5291553" "5345496" "5353327" "5367569" "5398234" "5426688" "5438606" "5442697" "5784558" "5828978" "5859895" "5862200" "5937033" "6002502" "6058161" "6061428" "6061428" "6097515" "6144722" "6192109" "6301337" "6366644" "6373923" "6453432" "6477238" "6661850" "4438298" "4446341" "4459436" "4467147" "4501003").pn. ("4516070" "4517513" "4525795" "4525789" "4536706" "4539652" "4554642" "4562436" "4590583" "4628158" "5293376" "4756017" "4796289" "5715241" "6046986" "4500158" "4562311" "4616897" "5818904" "5937034" "3867588" "4368363" "4369341" "4388501" "4588862" "4797720" "4807277" "4869682" "4920555" "5189694" "5202916" "5204896" "5208803" "5224149" "5233501" "5235634" "5243644" "5309499" "5437023" "5452343" "5509054" "5555285" "5699402" "5800218" "5864602" "5870451" "5926460" "5978449" "5982851" "6002671").pn.	US-PGPUB; USPAT	OR	OFF	2004/02/27 11:10

## EAST Search History

S57	38	379/27.01,27.06.28,29.01,29.11, 22.01,22.02,27.03,1.04,32.04,29. 03.ccls. and ("5343461" "4446340" "5218616" "5483573" "5751794" "5889785" "6151691" "6215854" "6215855" "6215854" "6215855" "4258236" "4403119" "4864598" "4912755" "4937851" "4998240" "5003586" "5189663" "5291553" "5345496" "5353327" "5367569" "5398234" "5426688" "5438606" "5442697" "5784558" "5828978" "5859895" "5862200" "5937033" "6002502" "6058161" "6061428" "6061428" "6097515" "6144722" "6192109" "6301337" "6366644" "6373923" "6453432" "6477238" "6661850" "4438298" "4446341" "4459436" "4467147" "4501003").pn. ("4516070" "4517513" "4525795" "4525789" "4536706" "4539652" "4554642" "4562436" "4590583" "4628158" "5293376" "4756017" "4796289" "5715241" "6046986" "4500158" "4562311" "4616897" "5818904" "5937034" "3867588" "4368363" "4369341" "4388501" "4588862" "4797720" "4807277" "4869682" "4920555" "5189694" "5202916" "5204896" "5208803" "5224149" "5233501" "5235634" "5243644" "5309499" "5437023" "5452343" "5509054" "5555285" "5699402" "5800218" "5864602" "5870451" "5926460" "5978449" "5982851" "6002671").pn.)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:08
S58	0	"6061428".URPN.	USPAT	OR	OFF	2004/02/27 11:18
S59	5	("4585290"   "4588862"   "4736403"   "4756017"   "5828303").PN.	USPAT	OR	OFF	2004/02/27 11:18
S60	6	"5442697".URPN.	USPAT	OR	OFF	2004/02/27 11:26
S61	18	"4807277".URPN.	USPAT	OR	OFF	2004/02/27 11:31
S62	8	"6278769".URPN.	USPAT	OR	OFF	2004/02/27 11:34
S63	0	"6584148".URPN.	USPAT	OR	OFF	2004/02/27 11:36
S64	9	("5479439"   "5528661"   "6075784"   "6078646"   "6177801"   "6215855"   "6278769"   "6301337"   "6434221").PN.	USPAT	OR	OFF	2004/02/27 11:36



## EAST Search History

S65	3	"6078646".URPN.	USPAT	OR	OFF	2004/02/27 11:38
S66	15	("5146490"   "5652782"   "5726972"   "5790634"   "5857011"   "5901201"   "5912946"   "5937033"   "5937034"   "5940473"   "5943391"   "5974115"   "5982851"   "6002746"   "6005921").PN.	USPAT	OR	OFF	2004/02/27 11:40
S67	0	"6052437".URPN.	USPAT	OR	OFF	2004/02/27 11:48
S68	0	"6052437".URPN.	USPAT	OR	OFF	2004/02/27 11:50
S69	7	("4807277"   "5323460"   "5392327"   "5404389"   "5483573"   "5537287"   "5677941").PN.	USPAT	OR	OFF	2004/02/27 11:50
S70	5	"5677941".URPN.	USPAT	OR	OFF	2004/02/27 11:56
S71	5	"4403119"	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:11
S72	1	RE36228.URPN.	USPAT	OR	OFF	2004/02/27 12:08
S73	1	RE36228.URPN.	USPAT	OR	OFF	2004/02/27 12:10
S74	10	("4028493"   "4213201"   "4403119"   "4439637"   "4528664"   "4636584"   "4667065"   "4689760"   "4696031"   "5046067").PN.	USPAT	OR	OFF	2004/02/27 12:10
S75	15	"4258236"	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:11
S76	7	"5483573"	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:13
S77	13	"5509054"	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:13
S78	9	"4369341"	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:13
S79	160	fsk same (off adj hook)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:15
S80	95	(fsk same (off adj hook)) and (loop)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:15
S81	9	(fsk same (off adj hook)) and (loop adj2 back)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:16
S82	23	fsk same ((off adj hook) with loop)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:36
S83	1	"5377260".PN.	USPAT	OR	OFF	2004/02/27 12:21
S84	0	"6661850".URPN.	USPAT	OR	OFF	2004/02/27 12:22
S85	0	"6295348".URPN.	USPAT	OR	OFF	2004/02/27 12:26

## EAST Search History

S86	17	("3660610"   "3758729"   "3927264"   "4827461"   "4953200"   "5111502"   "5263084"   "5283825"   "5392341"   "5502761"   "5519774"   "5583924"   "5745557"   "5768367"   "5812649"   "5937058"   "6122353").PN.	USPAT	OR	OFF	2004/02/27 12:26
S87	12	("4920560"   "4935954"   "4969184"   "5262860"   "5343516"   "5398280"   "5416831"   "5434911"   "5530740"   "5757891"   "5768528"   "5832067").PN.	USPAT	OR	OFF	2004/02/27 12:34
S88	147	fsk with dtmf	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:44
S89	0	(fsk with dtmf) and (volt\$3 adj2 dect\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:38
S90	75	(fsk with dtmf) and (volt\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:38
S91	15	(fsk with dtmf) and (drop\$3 with volt\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:41
S92	5	(fsk with dtmf) and (loop with test\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:44
S93	213	fsk same dtmf	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:45
S94	6	(fsk same dtmf) and (loop with test\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:45
S95	573	fsk and dtmf	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:45
S96	27	(fsk and dtmf) and (loop with test\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:50
S97	6	"6005921".URPN.	USPAT	OR	OFF	2004/02/27 12:49
S98	701	remot\$3 with (off adj hook)	US-PGPUB; USPAT	OR	OFF	2004/02/27 12:50
S99	10	(remot\$3 with (off adj hook)) same (loop with test\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 13:09
S10 0	30	"5535265".URPN.	USPAT	OR	OFF	2004/02/27 12:58
S10 1	24	"4937851".URPN.	USPAT	OR	OFF	2004/02/27 13:01

## EAST Search History

S10 2	97	("5343461" "4446340" "5218616" "5483573" "5751794" "5889785" "6151691" "6215854" "6215855" "6215854" "6215855" "4258236" "4403119" "4864598" "4912755" "4937851" "4998240" "5003586" "5189663" "5291553" "5345496" "5353327" "5367569" "5398234" "5426688" "5438606" "5442697" "5784558" "5828978" "5859895" "5862200" "5937033" "6002502" "6058161" "6061428" "6061428" "6097515" "6144722" "6192109" "6301337" "6366644" "6373923" "6453432" "6477238" "6661850" "4438298" "4446341" "4459436" "4467147" "4501003").pn. ("4516070" "4517513" "4525795" "4525789" "4536706" "4539652" "4554642" "4562436" "4590583" "4628158" "5293376" "4756017" "4796289" "5715241" "6046986" "4500158" "4562311" "4616897" "5818904" "5937034" "3867588" "4368363" "4369341" "4388501" "4588862" "4797720" "4807277" "4869682" "4920555" "5189694" "5202916" "5204896" "5208803" "5224149" "5233501" "5235634" "5243644" "5309499" "5437023" "5452343" "5509054" "5555285" "5699402" "5800218" "5864602" "5870451" "5926460" "5978449" "5982851" "6002671").pn.	US-PGPUB; USPAT	OR	OFF	2004/02/27 13:09
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## EAST Search History

S10 3	59	(("5343461" "4446340" "5218616" "5483573" "5751794" "5889785" "6151691" "6215854" "6215855" "6215854" "6215855" "4258236" "4403119" "4864598" "4912755" "4937851" "4998240" "5003586" "5189663" "5291553" "5345496" "5353327" "5367569" "5398234" "5426688" "5438606" "5442697" "5784558" "5828978" "5859895" "5862200" "5937033" "6002502" "6058161" "6061428" "6061428" "6097515" "6144722" "6192109" "6301337" "6366644" "6373923" "6453432" "6477238" "6661850" "4438298" "4446341" "4459436" "4467147" "4501003").pn. ("4516070" "4517513" "4525795" "4525789" "4536706" "4539652" "4554642" "4562436" "4590583" "4628158" "5293376" "4756017" "4796289" "5715241" "6046986" "4500158" "4562311" "4616897" "5818904" "5937034" "3867588" "4368363" "4369341" "4388501" "4588862" "4797720" "4807277" "4869682" "4920555" "5189694" "5202916" "5204896" "5208803" "5224149" "5233501" "5235634" "5243644" "5309499" "5437023" "5452343" "5509054" "5555285" "5699402" "5800218" "5864602" "5870451" "5926460" "5978449" "5982851" "6002671").pn.) and (loop with test\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 13:09
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## EAST Search History

S10 4	4	((("5343461" "4446340" "5218616" "5483573" "5751794" "5889785" "6151691" "6215854" "6215855" "6215854" "6215855" "4258236" "4403119" "4864598" "4912755" "4937851" "4998240" "5003586" "5189663" "5291553" "5345496" "5353327" "5367569" "5398234" "5426688" "5438606" "5442697" "5784558" "5828978" "5859895" "5862200" "5937033" "6002502" "6058161" "6061428" "6061428" "6097515" "6144722" "6192109" "6301337" "6366644" "6373923" "6453432" "6477238" "6661850" "4438298" "4446341" "4459436" "4467147" "4501003"). pn. ("4516070" "4517513" "4525795" "4525789" "4536706" "4539652" "4554642" "4562436" "4590583" "4628158" "5293376" "4756017" "4796289" "5715241" "6046986" "4500158" "4562311" "4616897" "5818904" "5937034" "3867588" "4368363" "4369341" "4388501" "4588862" "4797720" "4807277" "4869682" "4920555" "5189694" "5202916" "5204896" "5208803" "5224149" "5233501" "5235634" "5243644" "5309499" "5437023" "5452343" "5509054" "5555285" "5699402" "5800218" "5864602" "5870451" "5926460" "5978449" "5982851" "6002671"). pn.) and (loop with test\$3)) and fsk	US-PGPUB; USPAT	OR	OFF	2004/02/27 13:19
S10 5	0	"6661850".URPN.	USPAT	OR	OFF	2004/02/27 13:10
S10 6	1	"5377260".PN.	USPAT	OR	OFF	2004/02/27 13:10
S10 7	65	"5377260".URPN.	USPAT	OR	OFF	2004/02/27 13:13
S10 8	9585	garland	US-PGPUB; USPAT	OR	OFF	2004/02/27 13:21
S10 9	11	garland and (loop adj test\$3)	US-PGPUB; USPAT	OR	OFF	2004/02/27 13:22
S11 0	222	gr-30\$2	US-PGPUB; USPAT	OR	OFF	2004/02/27 13:23
S11 1	26	gr-30\$2 and (loop with test\$3)	US-PGPUB; USPAT	OR	OFF	2005/08/10 11:33

## EAST Search History

S11 2	36	GARLAND-STUART-M or GARLAND-STUART-MANDEL	US-PGPUB; USPAT	OR	OFF	2004/03/01 08:16
S11 3	4	(GARLAND-STUART-M or GARLAND-STUART-MANDEL ) and (loop adj2 back)	US-PGPUB; USPAT	OR	OFF	2004/03/01 08:16
S11 4	4	"6078646"	US-PGPUB; USPAT	OR	OFF	2004/03/01 13:24
S11 5	15	("5146490"   "5652782"   "5726972"   "5790634"   "5857011"   "5901201"   "5912946"   "5937033"   "5937034"   "5940473"   "5943391"   "5974115"   "5982851"   "6002746"   "6005921").PN.	USPAT	OR	OFF	2004/03/01 11:05
S11 6	3	"6078646".pn. or "6584148".pn. or "6295348".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/01 13:25
S11 7	3	"6584148"	US-PGPUB; USPAT	OR	ON	2005/02/03 12:21
S11 8	12	("4360912"   "4423506"   "4864519"   "5715475"   "5801913"   "5914957"   "6105077"   "6177801"   "6434221"   "6449544"   "6584148"   "6600723").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/03 12:22
S11 9	9	("5479439"   "5528661"   "6075784"   "6078646"   "6177801"   "6215855"   "6278769"   "6301337"   "6434221").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/03 12:22
S12 0	6	S119 and (line with terminat\$3)	US-PGPUB; USPAT	OR	ON	2005/02/03 12:23
S12 1	1	S119 and reflect\$3	US-PGPUB; USPAT	OR	ON	2005/02/03 12:26
S12 2	4	"6078646"	US-PGPUB; USPAT	OR	ON	2005/02/03 12:24
S12 3	0	S122 and relect\$3	US-PGPUB; USPAT	OR	ON	2005/02/03 12:25
S12 4	15	("5146490"   "5652782"   "5726972"   "5790634"   "5857011"   "5901201"   "5912946"   "5937033"   "5937034"   "5940473"   "5943391"   "5974115"   "5982851"   "6002746"   "6005921").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/03 12:24
S12 5	0	S122 and reflect\$3	US-PGPUB; USPAT	OR	ON	2005/02/03 12:25

## EAST Search History

S12 6	1	S124 and reflect\$3	US-PGPUB; USPAT	OR	ON	2005/02/03 12:25
S12 7	14021	(line with terminat\$3) and (reflect\$3)	US-PGPUB; USPAT	OR	ON	2005/02/03 12:27
S12 8	379	S127 and (return adj2 loss)	US-PGPUB; USPAT	OR	ON	2005/02/03 12:27
S12 9	183	(line with terminat\$3) and ((reflect\$3) same (return adj2 loss))	US-PGPUB; USPAT	OR	ON	2005/02/03 12:42
S13 0	28	S129 and "379"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/02/03 12:40
S13 1	0	("2002/0118795").URPN.	USPAT	OR	ON	2005/02/03 12:34
S13 2	509	379/27.01	US-PGPUB; USPAT	OR	ON	2005/02/03 12:41
S13 3	70	S132 and reflect\$3	US-PGPUB; USPAT	OR	ON	2005/02/03 12:41
S13 4	3	S132 and ((reflect\$3) same (return adj2 loss))	US-PGPUB; USPAT	OR	ON	2005/02/03 12:42
S13 5	583	379/22.\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/02/03 12:42
S13 6	7	S135 and ((reflect\$3) same (return adj2 loss))	US-PGPUB; USPAT	OR	ON	2005/02/03 12:42
S13 7	29	("4630228").URPN.	USPAT	OR	ON	2005/02/03 12:49
S13 8	3	"6643266"	US-PGPUB; USPAT	OR	ON	2005/02/03 12:49
S13 9	20	("4791659"   "4870675"   "4989202"   "5166925"   "5559854"   "5784558"   "5793751"   "5883883"   "5892756"   "5909445"   "5917885"   "5991270"   "6002671"   "6014369"   "6014425"   "6058162"   "6091713"   "6185191"   "6292539"   "6385297").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/03 13:00
S14 0	6	LUNEAU-DAVID-J	US-PGPUB; USPAT	OR	ON	2005/02/03 13:01

## EAST Search History

S14 1	20	("4791659"   "4870675"   "4989202"   "5166925"   "5559854"   "5784558"   "5793751"   "5883883"   "5892756"   "5909445"   "5917885"   "5991270"   "6002671"   "6014369"   "6014425"   "6058162"   "6091713"   "6185191"   "6292539"   "6385297").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/03 13:04
S14 2	12	("6385297").URPN.	USPAT	OR	ON	2005/02/03 13:04
S14 3	1	"6584148".pn.	US-PGPUB; USPAT	OR	ON	2005/02/03 13:58
S14 4	1	S143 and "120"	US-PGPUB; USPAT	OR	ON	2005/02/03 13:59
S14 5	20	gr-30	US-PGPUB; USPAT	OR	ON	2005/08/10 11:42
S14 6	61	(gr-30) or (gr-30-core)	US-PGPUB; USPAT	OR	ON	2005/08/10 11:59
S14 7	1	"20040066913"	US-PGPUB; USPAT	OR	ON	2005/08/10 12:04
S14 8	1	"20020136165"	US-PGPUB; USPAT	OR	ON	2005/08/10 12:04
S14 9	0	("2005/0013415").URPN.	USPAT	OR	ON	2005/08/10 12:07
S15 0	0	S149 and test\$3	US-PGPUB; USPAT	OR	ON	2005/08/10 12:07
S15 1	27	S146 and test\$3	US-PGPUB; USPAT	OR	ON	2005/08/10 12:08
S15 2	0	("2005/0013415").URPN.	USPAT	OR	ON	2005/08/10 12:08
S15 3	0	("2002/0118795").URPN.	USPAT	OR	ON	2005/08/10 12:12
S15 4	3	("2002/0006137").URPN.	USPAT	OR	ON	2005/08/10 12:17
S15 5	0	("6744867").URPN.	USPAT	OR	ON	2005/08/10 12:23
S15 6	2	("6310944"   "6377668").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/10 12:23
S15 7	0	("6744867").URPN.	USPAT	OR	ON	2005/08/10 12:25
S15 8	5	("6104909").URPN.	USPAT	OR	ON	2005/08/10 12:29



## EAST Search History

S159	2592	fsk and test\$3	US-PGPUB; USPAT	OR	ON	2005/08/10 13:21
S160	162	S159 and (cid or clid or (caller adj id) or (caller adj identification))	US-PGPUB; USPAT	OR	ON	2005/08/10 13:01
S161	131	S160 and (@ad<="20010226" or @rlad<="20010226")	US-PGPUB; USPAT	OR	ON	2005/08/10 13:02
S162	0	("2004/0218733").URPN.	USPAT	OR	ON	2005/08/10 13:05
S163	0	("2002/0118795").URPN.	USPAT	OR	ON	2005/08/10 13:13
S164	69	fsk and (loop adj2 test\$3)	US-PGPUB; USPAT	OR	ON	2005/08/10 13:22
S165	0	("2004/0086086").URPN.	USPAT	OR	ON	2005/08/10 13:25
S166	0	("2004/0066913").URPN.	USPAT	OR	ON	2005/08/10 13:28
S167	3	("5828728").URPN.	USPAT	OR	ON	2005/08/10 13:50
S168	1	"20040066913"	US-PGPUB; USPAT	OR	ON	2005/08/10 13:50
S169	4	"6078646"	US-PGPUB; USPAT	OR	ON	2005/08/10 13:55
S170	0	S169 and fsk	US-PGPUB; USPAT	OR	ON	2005/08/10 13:55
S171	15	("5146490"   "5652782"   "5726972"   "5790634"   "5857011"   "5901201"   "5912946"   "5937033"   "5937034"   "5940473"   "5943391"   "5974115"   "5982851"   "6002746"   "6005921").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/10 13:56
S172	2	S171 and fsk	US-PGPUB; USPAT	OR	ON	2005/08/10 14:40
S173	46	fsk same (test adj2 (signal\$1 or command\$1))	US-PGPUB; USPAT	OR	ON	2005/08/10 14:41
S174	1	("5377260").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/10 14:52
S175	0	fsk same "2713"	US-PGPUB; USPAT	OR	ON	2005/08/10 14:59
S176	30	fsk and "2713"	US-PGPUB; USPAT	OR	ON	2005/08/10 15:01
S177	415	fsk and (open adj (loop or circuit))	US-PGPUB; USPAT	OR	ON	2005/08/10 15:03

## EAST Search History

S178	27	fsk same (open adj (loop or circuit))	US-PGPUB; USPAT	OR	ON	2005/08/10 15:01
S179	239	S177 and test\$3	US-PGPUB; USPAT	OR	ON	2005/08/10 15:04
S180	215	S177 and test\$3 and loop	US-PGPUB; USPAT	OR	ON	2005/08/10 15:04
S181	93	S177 and (test\$3 same loop)	US-PGPUB; USPAT	OR	ON	2005/08/10 15:16
S182	599	fsk same (control adj signal)	US-PGPUB; USPAT	OR	ON	2005/08/10 15:16
S183	51	S182 and (test\$3 with loop)	US-PGPUB; USPAT	OR	ON	2005/08/10 15:19
S184	85	S182 and (testing)	US-PGPUB; USPAT	OR	ON	2005/08/10 15:19
S185	15	S184 and "379"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/10 15:19
S186	71	S182 and "379"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/10 15:19
S187	15	S186 and testing	US-PGPUB; USPAT	OR	ON	2005/08/10 15:19
S188	15	S185 or S187	US-PGPUB; USPAT	OR	ON	2005/08/10 15:28
S189	48	fsk same (line with terminat\$3)	US-PGPUB; USPAT	OR	ON	2005/08/10 15:42
S190	16	("5857011").URPN.	USPAT	OR	ON	2005/08/10 15:49
S191	130	gr30 or (gr adj "30") or (gr-30)	US-PGPUB; USPAT	OR	ON	2005/08/10 15:56
S192	5	S191 and (terminat\$3 adj2 signal)	US-PGPUB; USPAT	OR	ON	2005/08/10 15:58
S193	4	S191 and (loop adj3 test\$3)	US-PGPUB; USPAT	OR	ON	2005/08/10 16:16
S194	27	S191 and (fsk)	US-PGPUB; USPAT	OR	ON	2005/08/10 16:15
S195	2	"6744867"	US-PGPUB; USPAT	OR	ON	2005/08/10 16:15
S196	25	S191 and (testing)	US-PGPUB; USPAT	OR	ON	2005/08/10 16:26
S197	6	"4656652".pn. or "5029290".pn. or "5121430".pn. or "5265145".pn. or "5394461".pn. or "5434906".pn.	US-PGPUB; USPAT	OR	ON	2005/08/10 16:28

## EAST Search History

S19 8	6	"5509054".pn. or "5541980".pn. or "5761312".pn. or "5949851". pn. or "6002748".pn. or "6021177".pn.	US-PGPUB; USPAT	OR	ON	2005/08/10 16:29
S19 9	15	"6201856".pn. or "6233430".pn. or "6243442".pn. or "6246752". pn. or "6249570".pn. or "6249579".pn. or "6252946".pn. or "6252947".pn. or "6252952". pn. or "6253061".pn. or "6259692".pn. or "6259892".pn. or "6266340".pn. or "6266341". pn. or "6272212".pn.	US-PGPUB; USPAT	OR	ON	2005/08/10 16:33
S20 0	18	"6285364".pn. or "6289025".pn. or "6289084".pn. or "6289094". pn. or "6292482".pn. or "6292901".pn. or "6295455".pn. or "6298045".pn. or "6301480". pn. or "6304580".pn. or "6310944".pn. or "6320947".pn. or "6324279".pn. or "6327342". pn. or "6327343".pn. or "6327359".pn. or "6327570".pn. or "6330010".pn.	US-PGPUB; USPAT	OR	ON	2005/08/10 16:36
S20 1	1	("6304580").URPN.	USPAT	OR	ON	2005/08/10 16:42
S20 2	21	("5204857"   "5327421"   "5345445"   "5375124"   "5422882"   "5428609"   "5434852"   "5461669"   "5473679"   "5483527"   "5509010"   "5530724"   "5568475"   "5623491"   "5703876"   "5710769"   "5825780"   "5940393"   "6016319"   "6023474"   "6064648").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/10 16:44
S20 3	11	"6332021".pn. or "6332085".pn. or "6337717".pn. or "6340868". pn. or "6343074".pn. or "6343120".pn. or "6345260".pn. or "6356554".pn. or "6359970". pn. or "6363346".pn. or "6363411".pn.	US-PGPUB; USPAT	OR	ON	2005/08/10 16:48
S20 4	8	"6366578".pn. or "6370235".pn. or "6370523".pn. or "6381324". pn. or "6381316".pn. or "6374102".pn. or "6374078".pn. or "6373817".pn.	US-PGPUB; USPAT	OR	ON	2005/08/10 17:00
S20 5	2	"20030128821" or "20030174817"	US-PGPUB; USPAT	OR	ON	2005/08/10 17:04

## EAST Search History

S20 6	1	"6201856".pn.	US-PGPUB; USPAT	OR	ON	2005/08/10 17:06
S20 7	6	"6304580"	US-PGPUB; USPAT	OR	ON	2005/08/10 17:08
S20 8	3	"4841560".pn. or "4764949".pn. or "4670898".pn.	US-PGPUB; USPAT	OR	ON	2005/08/10 17:09
S20 9	16	("4841560").URPN.	USPAT	OR	ON	2005/08/10 17:10
S21 0	0	send\$3 adj3 (test adj2 signal\$1) adj2 (from adj2 central)	US-PGPUB; USPAT	OR	ON	2005/08/10 18:25
S21 1	1088	send\$3 adj3 (test adj2 signal\$1)	US-PGPUB; USPAT	OR	ON	2005/08/10 18:25
S21 2	24	S211 same (central adj2 office)	US-PGPUB; USPAT	OR	ON	2005/08/10 18:25
S21 3	0	("2001/0043673").URPN.	USPAT	OR	ON	2005/08/10 18:27
S21 4	1	"6584148".pn.	US-PGPUB; USPAT	OR	ON	2005/08/11 08:44
S21 5	6	"6456694"	US-PGPUB; USPAT	OR	ON	2005/08/11 09:50
S21 6	0	S215 and (return adj loss)	US-PGPUB; USPAT	OR	ON	2005/08/11 09:50
S21 7	2	S215 and (loss)	US-PGPUB; USPAT	OR	ON	2005/08/11 09:48
S21 8	8	("4979171"   "5420860"   "5661776"   "5805571"   "5864602"   "5991270"   "6084946"   "6091713").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/11 09:50
S21 9	0	S218 and (return adj loss)	US-PGPUB; USPAT	OR	ON	2005/08/11 09:50
S22 0	7	S218 and (loss)	US-PGPUB; USPAT	OR	ON	2005/08/11 09:51
S22 1	0	tdr with (line adj loss)	US-PGPUB; USPAT	OR	ON	2005/08/11 09:51
S22 2	0	(tdr or (time adj2 domain adj2 Reflect\$7)) with (line adj loss)	US-PGPUB; USPAT	OR	ON	2005/08/11 09:52
S22 3	9	(tdr or (time adj2 domain adj2 Reflect\$7)) same (line adj loss)	US-PGPUB; USPAT	OR	ON	2005/08/11 09:54
S22 4	303	frequenc\$3 with (line adj loss)	US-PGPUB; USPAT	OR	ON	2005/08/11 09:54
S22 5	11	(frequenc\$3 with (line adj loss)) same (reflected)	US-PGPUB; USPAT	OR	ON	2005/08/11 10:01
S22 6	634	(return adj loss) same (reflected)	US-PGPUB; USPAT	OR	ON	2005/08/11 10:01

## EAST Search History

S22 7	4	(return adj loss) same (reflected) same tdr	US-PGPUB; USPAT	OR	ON	2005/08/11 10:02
S22 8	0	(return adj loss) same (reflected) same empirical	US-PGPUB; USPAT	OR	ON	2005/08/11 10:02
S22 9	27	(return adj loss) same (reflected) same compared	US-PGPUB; USPAT	OR	ON	2005/08/11 10:03
S23 0	10	"5875232".pn. or "5905774".pn. or "5966651".pn. or "6067349". pn. or "6072859".pn. or "6160876".pn. or "6233325".pn. or "6509833".pn. or "20040100648" or "20030147518"	US-PGPUB; USPAT	OR	ON	2006/04/18 18:01
S23 1	1	"6584148".pn.	US-PGPUB; USPAT	OR	ON	2006/04/18 18:03
S23 2	1	"6744867".pn.	US-PGPUB; USPAT	OR	ON	2006/04/18 18:02
S23 3	3	"6744867"	US-PGPUB; USPAT	OR	ON	2006/04/18 18:02
S23 4	6	"6584148"	US-PGPUB; USPAT	OR	ON	2006/04/18 18:14
S23 5	9	LUNEAU-DAVID-J	US-PGPUB; USPAT	OR	ON	2006/04/18 18:15
S23 6	0	("2002/0118795").URPN.	USPAT	OR	ON	2006/04/18 18:16
S23 7	0	("2002/0118795").URPN.	USPAT	OR	ON	2006/04/18 18:16